POWER DISTRIBUTION SOLUTIONS

Spectrum Power, a product line of API Technologies, manufactures power strips, power distribution units, and circuit protection systems for both AC and DC power applications. Spectrum Power's product portfolio includes features such as metering, monitoring, sequencing, switching, circuit protection, surge suppression, and EMI filtering. The goal at Spectrum Power is to offer a wide variety of options in a compact package that fulfills the requirements of our customer's application.

Contact MaxPower to learn more: (800) 576-3966 / sales@maxpowercorp.com / www.maxpowercorp.com

Monitored Rack Mount Power Distribution Unit

The line of monitored power distribution units provides local and remote power monitoring at the rack and through LAN or USB. These PDUs communicate via Telnet, SNMP, or Web protocols. Monitored PDUs allow for user-selectable display modes (continuous, auto cycling, or fixed reading). Monitored information includes voltage, amperage, active power (watts), and power factor.

Metered Rack Mount Power Distribution Unit

This line of PDUs include a bright power meter display which provides accurate measurements on an easy to read digital screen that is viewable up to 15 feet away. The meter displays voltage, amperage, active power (watts), and power factor. The benefit of using metered PDUs is the ability to properly distribute and balance loads between circuits in the power strip. Metered PDUs are important tools in efficient distribution of power for safe equipment operation.

Basic Rack Mount Power Distribution Unit

Spectrum Power's basic rack mount power strips include features such as: over-current protection (circuit protection or TVS surge suppression with LED indicators); large variety of IEC, Global, and NEMA input plugs and outlets; 14", 17", 19", 33", 66" lengths; 0U, 1U, 2U chassis options; and single phase & three phase designs. Spectrum power strips are customizable and can be tailored for a particular application.

DC Rack Mount Power Distribution Unit

Spectrum Power offers DC power for increased energy efficiency. Utilizing DC power allows for less heat generated and reduced power consumption. DC power strips are capable of providing 400 Volts and designed to be hardwired. Each strip contains 12 connectors divided into three load banks. DC power strips feature fuse circuit protection and LED power-on indicator all in a compact 0U package.

AC Switched Power Distribution Unit

The **AC SMARTStart®** portfolio offers intelligent, multi-functioning switched and sequenced PDUs. It also provides for local and remote control (Telnet, SNMP, or Web) to outlet groups. These units monitor input line voltage, total load current, and line frequency. Each PDU has circuit protection and power-on current limits. Optional features include alarm sensors; security sensors; limit switches; and remote emergency power off (EPO).

DC Switched Power Distribution Unit

The **DC SMARTStart®** is a NEBS Level 3 certified, UL recognized DC power distribution and circuit protection unit. This device is designed to reliably cycle power to devices with DC power supplies. The DC SMARTStart® has switchable solid state circuit breakers factory set to values defined by our customers for their specific application. This PDU provides true remote power cycling capability (via Telnet, SNMP, or Web) with circuit breaker reset in non-catastrophic trip conditions.

Three Phase Power Distribution Unit

The **AC Power Master** collection is portfolio of PDUs that offer power distribution & power sequencing solutions. The AC Power Master allows the user to readily monitor the state of energy and power consumption remotely. The benefit is having the ability to take action to avoid unintended power interruption and reduce the threat of downtime. Some features may include: emergency power off (EPO); elapsed time indicator; remote control via Telnet, SNMP, or Web; EMI filtering; and more.

230 Yuma St., Denver, CO 80223 / Tel (800) 576-3966 / Fax (800) 577-4096 / www.maxpowercorp.com
©2012 MaxPower Corporation. All rights reserved.

POWER DISTRIBUTION SOLUTIONS

Customer-Specific Solutions (Pictured)

A PDU was designed for the US Army's data center to provide the necessary power with the needed circuit protection and outlet styles. **(1)**

A unit was designed for automatic test equipment stations which used 3-phase input power and provided single phase outlet power in the 200-240 VAC range. System requirements also included Emergency Power OFF (EPO) functionality. **(2)**

Another customer-specific design provided 4 electronic timer/switch outlets as well as 2 "Always On" power outlets for a laptop cart. **(3)**

Build-to-Print & Box Builds

API Technologies is a fully integrated "one-stop shop" for engineering, design, and manufacturing of solutions. With our breadth of expertise, established business partners, and design-for-manufacturing capabilities, we are ready to dedicate ourselves to understanding the needs of our customers with the end result of moving the project forward seamlessly.

Our engineering team can provide support for all box builds, build-to-print, and turn-key solutions. We will collaborate from the early stages of development, provide prototyping capabilities, and ensure quality through testing with the end goal of volume production.

Capabilities

Integration of Specialty Power and Electronic Systems, Reverse Engineering & Legacy Support, Machined Housings, Component Assembly, EMI Filters, Printed Circuit Boards (PCB), Hermetic Sealing, Surge Protection, Wire Harnesses, Wire Bonding, Connector Builds, SMT, and more.

Custom Design Solutions and Capabilities

Custom Specifications

Power Input Ranges
AC: 100-127, 200-240, 120/208, 380-415 Single, Split, or Three Phase
DC: -48, +12, or +24/+28 VDC

Max Input Currents
AC: 15A, 16A, 20A, 30A, 32A, 60A
DC: 60A, 100A, 300A, 400A

Branch Circuit Protection
Circuit Breakers, Fuses, Surge Protection

Physical Configurations
0U, 1U, 2U, NEMA, IEC, Global

Input Current Monitoring
Monitor: Voltage, Current, Power Factor
Local & Remote: Web, Telnet, SNMP, 10/100 Base T-Ethernet, Serial RS232

Available Features
Monitored, Switched/Sequenced Power, Remote Cycling, Alarm Sensors, Remote Start/Stop/Reboot/, EMI Filtering, Switchable Circuit Breakers

Numerous Configurations are Available Beyond Those Listed Above. All Parameters Can Be Custom Configured.

Custom design collaboration is a hassle-free experience for customers.

Clients can work directly with our design team which helps reduce the design phase of the project. The experienced design team at Spectrum Power has a proven track record for developing complex solutions within limited time frames. Advanced technology is employed for a comprehensive system review of packaging preparation and manufacturability.

All products are tested for agreed upon electrical, mechanical, and environmental metrics. We administer our test procedures not only for prototypes, but for each and every power product we manufacture. This focus on quality and reliability is part of the commitment we make to our customers.

- AC & DC Capabilities
- UL Listed/CE Mark
- Rugged Designs
- Wide Temperature Range (-40˚C to 60˚C)
- Quality Testing for Unique Environments
- Internal R&D
- In-house Design Team
- Full Vertical Integration
- Reverse Engineering Capabilities
- Company Owned Manufacturing Facilities
- Build-to-Print
- Box Builds

MAXPOWER CORPORATION

230 Yuma St., Denver, CO 80223 / Tel (800) 576-3966 / Fax (800) 577-4096 / www.maxpowercorp.com
©2012 MaxPower Corporation. All rights reserved.